



Federal Communications Commission  
Washington, D.C. 20554

October 14, 2012

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554

Re: Measuring Broadband American Program, GN Docket No. 12-264

Dear Ms. Dortch:

On September 19, 2012, representatives of broadband providers, public interest groups, companies, and other organizations met via conference call with Commission staff to discuss the Commission's 2012 broadband measurement and performance program in the ng Measurement Architecture Standardization and Outreach Group (ng Measurement Group). The meeting focused on discussion of input on a draft document to submit to the Internet Engineering Task Force (IETF).<sup>1</sup>

Mr. Walter Johnston, Chief Electromagnetic Compatibility Division (EMCD), and James Miller, Senior Attorney Advisor EMCD opened the meeting discussing an IETF Internet Draft submission focused on describing proposed data communications requirements modeled on the architectural designs used in the Measuring Broadband America program. Commission staff noted that the Draft would be uploaded to the IETF by COB Friday, September 21, 2012, and that on Monday, September 24, 2012, Commission staff would request that the organizers of the IETF fall meeting in Atlanta, GA schedule a Birds of a Feather (BOF) session to discuss the draft with the broader Internet community.

Participants offered a number of substantive and procedural suggestions that were largely incorporated into the submitted draft. Michael Bugenhagen of Centurylink explained that many security features discussed in the document aligned with requirements being explored for Machine to Machine (M2M) frameworks and signaling gateway and other frameworks being developed may prove to be useful references for the LMAP draft. Mr. Miller stated a reference to the M2M frameworks would be added to the draft.

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<sup>1</sup> A list of attendees, documents circulated at the meeting, and the final IETF XML draft are attached to this filing in the newly opened GN Docket No. 12-264. See *Announcement of Open Docket For Measuring Broadband America Program*, DA 12-1530 (rel. Sep. 26, 2012), available at <http://www.fcc.gov/document/measuring-broadband-america-program>. As a courtesy this filing was also submitted to *In the Matter of Consumer Information and Disclosure Truth-in-Billing Format IP-Enabled Services* in CG Docket No. 09-158; *In the Matter of Truth-in-Billing and Billing Format* in CC Docket No. 98-170; and *In the Matter of IP-Enabled Services* in WC Docket No. 04-36.

Shane Amante discussed the need for data models for both test configuration and test results in the draft. Mr. Amante discussed that third-parties would require well defined parameters to review tests historically, and noted that in the same way, a data model was needed for “network parameter servers” that would provide key information about subscribers client access technology or other characteristics. Mr. Amante also suggested that the architecture should address the archiving and longevity of the data collected and deposited to elements in the system, as well as consider redundancy and/or performance benefits to ensure that clients could communicate with multiple data collectors. Mr. Miller agreed to expand the section in the draft to include the data model descriptions.

Participants also suggested inclusion of an example of how authentication and security aspects would facilitate arms-length interactions between different independent entities, such as a smaller ISP contracting with a third-party to conduct the operational aspects of consumer test. Mr. Miller agreed to include a clearer description of how such interactions between third-parties would be enabled in the security section of the document. Mr. Miller noted that the submission to the mailing list and registration of the document on the IETF document repository would be a first step, and encouraged all participants to direct any further discussion of the IETF draft to the Large Scale Measurement of Access network Performance (LMAP) mailing list.<sup>2</sup>

Mr. Henning Schulzrinne, FCC Chief Technologist, discussed that a second Internet Draft would be prepared soon, to be distributed to the IETF IP Performance Metrics Working Group. That draft will also be circulated with members of the ng Measurement Group in advance of a submission to the IPPM mailing list and upload to the IETF document database.<sup>3</sup>

The meeting concluded after extensive background discussion of the standards process and the processes of the Broadband Forum and the IETF. Commission staff noted that it would circulate the revised Broadband Forum submission submitted for the 8:00 pm (EST) deadline.

Sincerely,

A handwritten signature in blue ink, appearing to read "Walter Johnston", with a long, sweeping horizontal line extending to the right.

Walter Johnston, Chief  
Electromagnetic Compatibility Division/OET

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<sup>2</sup> lmap -- Large Scale Measurement of Access network Performance, available at <https://www.ietf.org/mailman/listinfo/lmap>.

<sup>3</sup> ippm -- IETF IP Performance Metrics Working Group, <https://www.ietf.org/mailman/listinfo/ippm>.

## Attendees

<b>Name</b>	<b>Organization</b>
Ken Koh	Adtran
Tom Anschutz	ATT
Jeb Benedict	Centurylink
Michael Bugenhagen	Centurylink
Paul Diamond	Centurylink
Marc Linsner	Cisco
Matthew Schwartz	CommDaily
Anita Dear	Cox
Martin Corcoran	Cox
Paul Cain	Cox
Alec MacDonell	FCC
Daniel Kirschner	FCC
Henning Schulzine	FCC
James Miller	FCC
Walter Johnston	FCC
Matt Mathias	Google
Meredith Whittaker	Google / M-Lab
Shane Amante	Level3
Steve Morris	NCTA
Jim Partridge	NCTA
Thomas Gideon	New America Foundation / M-Lab
Alex Salter	SamKnows
Sam Crawford	SamKnows
Neil Campbell	SamKnows
David Curran	Windstream
Sophie Deen	SamKnows
Jason Weil	Time-Warner Cable
David Young	Verizon
Kitty O'Hara	Verizon
Jennie Chandra	Windstream